

BEST AVAILABLE COPY

Systems and Methods for a Navigational Device with Improved Route Calculation Capabilities

Abstract of the Disclosure

5 Systems, devices and methods are provided for an improved navigational
route planning device which provides more understandable, accurate and timely
route calculation capabilities. The navigational aid device with route calculation
capabilities includes a processor connected to a memory. The memory includes
cartographic data and a desired destination, the cartographic data including data
10 indicative of thoroughfares of a plurality of types. A display is connected to the
processor and is capable of displaying the cartographic data. The device is adapted
to calculate a route to navigate to the desired destination. And, the device is adapted
to adjust a starting point for the route calculation to an appropriate location such that
the device is on the route at a time when the route calculation is completed. The
15 device processes travel along the route, recognizes when the device has deviated
from the route, and calculates a new route to navigate to the desired destination.